

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-79  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Ford Motor Company exhaust emission control systems for 1977 model-year light-duty trucks are certified for the engine family described below:

Engine Family: 302 "A" (1CV7)

Engine: 302 CID

Exhaust Emission Control Systems: Air Injection, Exhaust Gas  
Recirculation, Oxidation Catalyst

Transmission: 3-Speed Automatic

Models: Bronco

Bronco

Bronco Ranger

Bronco Sport

Transmission: 3-Speed Automatic or 3-Speed Manual

Models: F-100

Regular Cab Short Wheelbase (SWB) Styleside Custom

Regular Cab Long Wheelbase (LWB) Styleside Custom

Regular Cab SWB Flareside Custom

Regular Cab LWB Flareside Custom

Regular Cab SWB Styleside Ranger

Regular Cab LWB Styleside Ranger

Regular Cab SWB Flareside Ranger

Regular Cab LWB Flareside Ranger

Regular Cab SWB Styleside Ranger XLT

Regular Cab LWB Styleside Ranger XLT

Regular Cab SWB Flareside Ranger XLT

Regular Cab LWB Flareside Ranger XLT

Regular Cab SWB Styleside Explorer

Regular Cab LWB Styleside Explorer

Regular Cab SWB Flareside Explorer

Regular Cab LWB Flareside Explorer

Regular Chassis Cab SWB Custom

Regular Chassis Cab LWB Custom

Regular Chassis Cab SWB Ranger

Regular Chassis Cab LWB Ranger

Regular Chassis Cab SWB Ranger XLT

Regular Chassis Cab LWB Ranger XLT

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
302 "A" (1CV7)	0.9	11	1.9

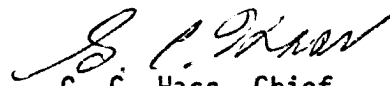
BE IT FURTHER RESOLVED: That this certification is contingent upon Ford Motor Company affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Ford Motor Company listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 30 day of July, 1976.



G. C. Hass, Chief  
Division of Vehicle Emissions Control

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 1  
 Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-53S-R0  
 Emission Control System AI-EGR-OC +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C, V EI Mfrg. Part Number	Fuel System Type: 1-2V Mfrg. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
<u>F-100</u> Regular Cab SWB LWB  CC Regular Cab SWB LWB	M/T3 M/T4(a)	4000	Ford D7TE- 12127-JA	Ford D7TE- 9510-AEA	D7TE- 9D445-AA	(1) 6° BTDC @ 550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor  (3) 800 RPM in Neutral 550 RPM in Neutral w/TSP off

Comments Axle Ratio: 2.75, 3.00, 3.50  
 \*\*No Service

Date of Issue: July 30, 1976; Rev. (a) 302 "A" (1CV7)-4T November 10, 1976.

#### Abbreviations

##### Distributor

C-Centrifugal Advance

V-Vacuum Advance

/R-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

##### Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

##### Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance  
Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

##### \*Service

I-Inspect, repair/replace  
as needed

R-Replace

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 2  
 Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54S- RO  
 Emission Control System AI-EGR-OC +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C,V, EI Mfgr. Part Number	Fuel System Type: 1-2V Mfgr. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
<u>F-100</u> Regular Cab SWB LWB CC Regular SWB LWB	<u>A/T3</u> <u>C4-7T1</u> <u>C4-7T2</u>	<u>4000</u>	<u>Ford</u> <u>D7TE-</u> <u>12127-EA</u>	<u>Ford</u> <u>D7TE-</u> <u>9510-AGA</u>	<u>D7TE-</u> <u>9D448-BA</u>	(1) 8° BTDC @ 550 RPM in Neutral, Vacuum line disconnected and plugged at distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off; (2) <del>Preset</del> at factory; do not adjust; see 1977 Ford Service Manual;

Comments Axle Ratio: 2.75, 3.25  
 \*\*No Service

Date of Issue July 30, 1976; Rev. November 16, 1976(Ford letter of 101376) ; Rev. 011177

#### Abbreviations

##### Distributor

C-Centrifugal Advance

V-Vacuum Advance

R-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

##### Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

##### Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance  
Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

##### \*Service

I-Inspect, repair/replace  
as needed

R-Replace

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 3  
 Engine Family 302 "A" (1CV7) Engine (CID) 302 Code 7-54T-R0  
 Emission Control System AI-OC-EGR +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C,V, EI Mfgr. Part Number	Fuel System Type: 1-2V Mfgr. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Bronco	A/T3 C4-7T3 C4-7T4	4000	Ford D7TE- 12127-EA	Ford D7TE- 9510-ABA	D7TE 9D448-NA	(1) 8° BTDC @ 550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off
Comments Axle Ratio: 3.50, 4.11 **No Service						
Date of Issue						

#### Abbreviations

##### Distributor

C-Centrifugal Advance

V-Vacuum Advance

/R-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

##### Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

##### Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance  
Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

##### \*Service

I-Inspect, repair/replace  
as needed

R-Replace

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 4  
 Engine Family 302 "A" (1CV7) Engine (CID) 302 Code 7-53S-R9  
 Emission Control System AI-EGR-OC +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,V, EI Mfgr. Part Number	Fuel System Type 1-2V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
<u>F-100</u> Regular Cab SWB LWB  CC Regular Cab SWB LWB	M/T3	4000	Ford D7TE- 12127-JA	Ford D7TE- 9510-AEA	D7TE- 9D448-AA	1) 6°, BTDC @ 550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 800 RPM in Neutral 550 RPM in Neutral w/TSP off (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;

Comments Axle Ratio: 2.75, 3.00, 3.50

\*\*No Service

Date of Issue A11-4 (11/16/76); Rev. 011177

#### Abbreviations

##### Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

##### Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

##### Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance  
Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

##### \*Service

I-Inspect, repair/replace  
as needed

R-Replace

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 5  
 Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54S-R9  
 Emission Control System AI-EGR-OC +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,V EI Mfgr. Part Number	Fuel System Type 1-2V Mfgr. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
F-100 Regular Cab SWB LWB CC Regular SWB LWB	A/T3 C4-7T1 C4-7T2	4000	Ford D7TE- 12127-EA	Ford D7TE- 9510-AGA	D7TE- 9D448-BA	(1) 8° BTDC @ 550 RPM in Neutral, Vacuum line disconnected and plugged at distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;

Comments Axle Ratio: 2.75, 3.25  
 \*\* No Service

Date of Issue A11-4 (11/16/75)

#### Abbreviations

##### Distributor

C-Centrifugal Advance  
 V-Vacuum Advance  
 VR-Vacuum Retard  
 HEI-High Energy Ignition  
 EI-Electronic Ignition  
Fuel System  
 EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

##### Exhaust Emission Control System

AI-Air Injection  
 CAI-Catalyst Air Injection  
 EFI-Electronic Fuel Injection  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 EFE-Early Fuel Evaporation  
 ESAC-Electronic Spark Advance  
 Control  
 FI-Fuel Injection

OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 λ-Air Fuel Ratio Sensor

\*Service  
 I-Inspect, repair/replace  
 as needed  
 R-Replace

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 6  
 Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54T-R9  
 Emission Control System AI-OC-EGR +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,V, EI Mfgr. Part Number	Fuel System Type 1-2V Mfgr. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Bronco	A/T3 C4-7T3 C4-7T4	4000	Ford D7TE- 12127-EA	Ford D7TE- 9510-ABA	D7TE 9D448-NA	(1) 8° BTDC @550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;
F-100 Regular Cab SWB LWB  CC Regular SWB LWB	A/T3 C4-7T1 C4-7T2					
Comments Axle Ratio: 3.50, 4.11, F 100- 2.75, 3.25 ** No Service						
Date of Issue A11-4 (11/16/76) 302 "A" (1CV7)-44T						

#### Abbreviations

##### Distributor

C-Centrifugal Advance  
 V-Vacuum Advance  
 VR-Vacuum Retard  
 HEI-High Energy Ignition  
 EI-Electronic Ignition  
 Fuel System  
 EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

##### Exhaust Emission Control System

AI-Air Injection  
 CAI-Catalyst Air Injection  
 EFI-Electronic Fuel Injection  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 EFE-Early Fuel Evaporation  
 ESAC-Electronic Spark Advance  
 Control  
 FI-Fuel Injection

##### OC-Oxidation Catalyst

PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 λ-Air Fuel Ratio Sensor

##### \*Service

I-Inspect, repair/replace  
 as needed  
 R-Replace